

Translation

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PATENT COOPERATION TREATY



PCT 10/536683

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 41 291mcgsev	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/EP2003/012036	International filing date (day/month/year) 30 October 2003 (30.10.2003)	Priority date (day/month/year) 30 November 2002 (30.11.2002)
International Patent Classification (IPC) or national classification and IPC B21C 47/24		
Applicant SMS DEMAG AKTIENGESELLSCHAFT		

<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>5</u> sheets, including this cover sheet.</p> <p><input type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of _____ sheets.</p>	
<p>3. This report contains indications relating to the following items:</p> <p>I <input checked="" type="checkbox"/> Basis of the report</p> <p>II <input type="checkbox"/> Priority</p> <p>III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p>IV <input type="checkbox"/> Lack of unity of invention</p> <p>V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p>VI <input type="checkbox"/> Certain documents cited</p> <p>VII <input type="checkbox"/> Certain defects in the international application</p> <p>VIII <input type="checkbox"/> Certain observations on the international application</p>	

Date of submission of the demand 08 June 2004 (08.06.2004)	Date of completion of this report 14 July 2004 (14.07.2004)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Intern application No.

PCT/EP2003/012036

I. Basis of the report

1. With regard to the elements of the international application:*

- ☐ the international application as originally filed
- ☒ the description:
pages _____ 1-8 _____, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____
- ☒ the claims:
pages _____ 1-6 _____, as originally filed
pages _____, as amended (together with any statement under Article 19
pages _____, filed with the demand
pages _____, filed with the letter of _____
- ☒ the drawings:
pages _____ 1/10-10/10 _____, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____
- ☐ the sequence listing part of the description:
pages _____, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/fig _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP 03/12036

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. Statement**

Novelty (N)	Claims	1-6	YES
	Claims		NO
Inventive step (IS)	Claims	1-6	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-6	YES
	Claims		NO

2. Citations and explanations**1. Reference is made to the following documents:**

D1: WO-A-99/12672

D2: DE-A-2 200 212

2. Independent claim 1:

The subject matter of claim 1 is unclear owing to the use of the phrase "in a conveying system". This phrase does not make it clear whether claim 1 is directed to a transfer car or to a conveying system having a transfer car. The analysis is based on the following clarified wording of claim 1:

"Coil transfer car for a conveying system...".

D1, which is considered to be the closest prior art, discloses:

Coil transfer car for a conveying system for metal coils having a support which can be moved along a conveying section by means of a drive, comprising, on a base frame, means for raising and lowering a carrying saddle along a linear vertical guide, wherein there is arranged on the

base frame for linear vertical guidance purposes
a scissors hoist.

The subject matter of claim 1 differs from D1 in
that:

the base frame is substantially flat, and
especially for this substantially flat base
frame there is used a steel slab, and in that to
raise and lower the carrying saddle there are
disposed, to form the drive, two lifting
cylinders which act directly on said saddle in a
spaced-apart manner.

As a result of the direct action of the lifting
cylinders on the carrying saddle, a favourable
application of force and a linear lifting movement
are achieved.

Although D2 discloses two lifting cylinders which
act directly on an elevating platform to raise and
lower a carrying saddle with a scissors hoist, the
function of these two lifting cylinders is to
incline the carrying saddle; for this purpose the
scissors are also joined by means of elongated
holes. Said document does not mention the problem of
a more favourable application of force and a linear
lifting movement. The subject matter of claim 1 is
novel and inventive (PCT Article 33(2) and (3)).

3. Dependent claims 2 to 6:

The subject matter of claims 4 to 6 is unclear owing
to the use of the words "commercially available" and
"conventional".

Irrespective of this lack of clarity, claims 2 to 6 disclose further embodiments of the coil transfer car defined in claim 1 and their subject matter is therefore likewise novel and inventive (PCT Article 33(2) and (3)).

4. Further observations:

Contrary to the requirements of PCT Rule 5.1(a)(ii) neither the relevant prior art disclosed in D1 nor this document is indicated in the description.

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